

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application.

1. to 24. (Cancelled)

25. (New) System for individual learning, said system (1) comprising:

- an apparatus (2) for controlling the learning system (1),
- at least one communication network (3),
- at least one user terminal (4),
- at least one content data base (5) provided with information units, preferably questions and answers (Q/A),

said content data base (5) being connectable to said apparatus (2), wherein said apparatus (2) further comprises at least one system data base (10) for storing user specific data, means for identification and/or verification of a user, administration means providing said user to control the system (1), and means (8) for registration of transactions a user performs, wherein said apparatus (2) is connectable to a learning tool (11) comprising an interface (12) for presenting data to the user, wherein the learning tool (11) is arranged to provide selective training according to the user's knowledge and to present a dynamic image of the knowledge status for the user in each point in time.

26. (New) System according to claim 1, wherein said system data base (10) is adapted to store information about user profiles, i. e. individual information such as statistical information, one such information being current type of learning state, or knowledge status, for each Q/A in relation to respective user, said learning states comprising the types: "not learned", "test required", "repetition required", "estimated as knowledge", "knowledge", and "knowledge not further checked", that said learning tool 11 is connectable to, or comprises, a test and repetition tool (19) for optimised long term repetition, that said test and repetition tool 19 is adapted to store a point of time when a Q/A is marked as "knowledge" for a particular user, that said test and repetition tool (19) is

adapted to control the time $T_{\text{next test}}$ to which the user has to answer this question again, that if no repetition or test is made to prolong the time $T_{\text{next test}}$, then said test and repetition tool (19) is adapted to expire the point in time $T_{\text{next test}}$ and change the state of the Q/A from "knowledge" to "test required", that if no test is done by the user then said test and repetition tool (19) is adapted to deteriorate the virtual dynamic image of said user's acquired knowledge in the system over time until all Q/A marked as "knowledge" changes state to "test required", that said test and repetition tool (19) is adapted to pose the Q/A question to the user at a point in time when test of a Q/A is performed by the user through the test and repetition tool (19), that if the answer to a question is wrong, then said test and repetition tool (19) is adapted to change the status of this Q/A to "repetition required", that if the Q/A is correctly answered, then the test and repetition tool (19) is adapted to change the status of the Q/A to "knowledge" and extend the time period $T_{\text{next test}}$ by a factor higher than one, say a factor two (2), that if time has passed between the $T_{\text{next test}}$ expired and the user started the test for the Q/A, then said test and repetition tool (19) is adapted to add this time to the $T_{\text{next test}}$ before the extension factor is applied, and that when the time period $T_{\text{next test}}$ is longer than a predetermined time period, then said test and repetition tool (19) is adapted to mark this Q/A as "knowledge not further checked".

27. (New) System according to claim 2, wherein said test and repetition tool (19) comprises a sorting tool (17), that said sorting tool (17) is adapted to perform repetition using a short term learning cycle when a Q/A has the state "repetition required", and that when repetition has been duly performed using said short term learning cycle, then said test and repetition tool (19) is adapted to extend the time period $T_{\text{next test}}$ by a factor lower than one, say a factor zero point eight (0.8).

28. (New) System according to claim 1, wherein filter means (18) are provided, preferably in the learning tool (11), for presenting information units, such as Q/A:s in a particular order to the user.

29. (New) System according to claim 1, wherein diagnosis means (20) is provided to estimate the knowledge of the user within a subject.
30. (New) System according to claim 1, wherein tool (21) for extracting information units from non-preprepared information, preferably to create Q/A:s from a non-preprepared digital text is provided in the apparatus (2).
31. (New) System according to claim 1, wherein at least one proactive dictionary (22) is connectable to the system (1) or provided in the apparatus (2), said dictionary (22) being adapted to present words considered by the system (1) to be unknown for the user.
32. (New) System according to claim 7, wherein said dictionary (22) is arranged to check a text, either stored in the system or introduced to the system from an external source (e.g. Internet), to a user's profile, to look up data not known by the user, and presenting translations or other types of Q/A:s simultaneously.
33. (New) System according to claim 8, wherein said dictionary (22) is connectable to a tool for extraction of teaching or learning material from texts and preferably checked to a user's profile for acceptable texts or fragments of texts, based on stated interest and level of knowledge.
34. (New) System according to claim 8, wherein at least one external dictionary (24) is connectable to the system (1), said at least one external dictionary being adapted to cooperate with the system.
35. (New) System according to claim 1, wherein the administration means (7) is arranged to provide a user to control the system (1).

36. (New) System according to claim 1, wherein the means (8) for registration is arranged to register transactions a user performs, and to store data in the system data base (10) comprising user specific data.

37. (New) System according to claim 1, wherein the user terminal (4) is a mobile phone, a PDA, a laptop or a PC.

38. (New) System for individual learning, said system (1) comprising:

- an apparatus (2) for controlling the learning system (1),
- at least one communication network (3),
- at least one user terminal (4),
- at least one content data base (5) provided with information units, preferably questions and answers (Q/A),

said content data base (5) being connectable to said apparatus (2), wherein said apparatus (2) further comprises at least one system data base (10) for storing user specific data, means for identification and/or verification of a user, administration means providing said user to control the system (1), and means (8) for registration of transactions a user performs, wherein at least one proactive dictionary (22) is connectable to the system (1) or provided in the apparatus (2), said dictionary (22) being adapted to present words considered by the system (1) to be unknown for the user.

39. (New) System according to claim 14, wherein said dictionary (22) is arranged to check a text, either stored in the system or introduced to the system from an external source (e.g. Internet), to a user's profile, to look up data not known by the user, and presenting translations or other types of Q/A:s simultaneously.

40. (New) System according to claim 15, wherein said dictionary (22) is connectable to a tool for extraction of teaching or learning material from texts and preferably checked

to a user's profile for acceptable texts or fragments of texts, based on stated interest and level of knowledge.

41. (New) System according to claim 15, wherein at least one external dictionary (24) is connectable to the system (1), said at least one external dictionary being adapted to cooperate with the system.

42. (New) System according to claim 14, wherein tool (21) for extracting information units from non-preprepared information, preferably to create Q/A:s from a non-preprepared digital text is provided in the apparatus (2).

43. (New) System according to claim 14, wherein said apparatus (2) is connectable to a learning tool (11) comprising an interface (12) for presenting data to the user, said the learning tool (11) being arranged to provide selective training according to the user's knowledge and to present a dynamic image of the knowledge status for the user in each point in time.

44. (New) System according to claim 19, wherein said system data base (10) is adapted to store information about user profiles, i. e. individual information such as statistical information, one such information being current type of learning state, or knowledge status, for each Q/A in relation to respective user, said learning states comprising the types: "not learned", "test required", "repetition required", "estimated as knowledge", "knowledge", and "knowledge not further checked", that said learning tool 11 is connectable to, or comprises, a test and repetition tool (19) for optimised long term repetition, that said test and repetition tool 19 is adapted to store a point of time when a Q/A is marked as "knowledge" for a particular user, that said test and repetition tool (19) is adapted to control the time $T_{next\ test}$ to which the user has to answer this question again, that if no repetition or test is made to prolong the time $T_{next\ test}$, then said test and repetition

tool (19) is adapted to expire the point in time $T_{\text{next test}}$ and change the state of the Q/A from "knowledge" to "test required", that if no test is done by the user then said test and repetition tool (19) is adapted to deteriorate the virtual dynamic image of said user's acquired knowledge in the system over time until all Q/A marked as "knowledge" changes state to "test required", that said test and repetition tool (19) is adapted to pose the Q/A question to the user at a point in time when test of a Q/A is performed by the user through the test and repetition tool (19), that if the answer to a question is wrong, then said test and repetition tool (19) is adapted to change the status of this Q/A to "repetition required", that if the Q/A is correctly answered, then the test and repetition tool (19) is adapted to change the status of the Q/A to "knowledge" and extend the time period $T_{\text{next test}}$ by a factor higher than one, say a factor two (2), that if time has passed between the $T_{\text{next test}}$ expired and the user started the test for the Q/A, then said test and repetition tool (19) is adapted to add this time to the $T_{\text{next test}}$ before the extension factor is applied, and that when the time period $T_{\text{next test}}$ is longer than a predetermined time period, then said test and repetition tool (19) is adapted to mark this Q/A as "knowledge not further checked".

45. (New) System according to claim 20, wherein said test and repetition tool (19) comprises a sorting tool (17), that said sorting tool (17) is adapted to perform repetition using a short term learning cycle when a Q/A has the state "repetition required", and that when repetition has been duly performed using said short term learning cycle, then said test and repetition tool (19) is adapted to extend the time period $T_{\text{next test}}$ by a factor lower than one, say a factor zero point eight (0.8).

46. (New) System according to claim 19, wherein filter means (18) are provided, preferably in the learning tool (11), for presenting information units, such as Q/A:s in a particular order to the user.

47. (New) System according to claim 14, wherein diagnosis means (20) is provided

to estimate the knowledge of the user within a subject.

48. (New) System according to claim 14, wherein the administration means (7) is arranged to provide a user to control the system (1).

49. (New) System according to claim 14, wherein the means (8) for registration is arranged to register transactions a user performs, and to store data in the system data base (10) comprising user specific data.

50. (New) System according to claim 14, wherein the user terminal (4) is a mobile phone, a PDA, a laptop or a PC.

51. (New) A method for individual learning in a learning system (1), wherein said learning system (1) comprises:

- an apparatus (2) for controlling the learning system (1),
- at least one communication network (3),
- at least one user terminal (4),
- at least one content data base (5) provided with information units, preferably questions and answers (Q/A),

said content data base (5) being connected to said apparatus (2), wherein said apparatus (2) further comprises at least one system data base (10) for storing user specific data, means for identification and/or verification of a user, administration means providing said user to control the system (1), and means (8) for registration of transactions a user performs, wherein said apparatus (2) is connected to a learning tool (11) comprising an interface (12) for presenting data to the user, wherein the learning tool (11) provides selective training according to the user's knowledge and presents a dynamic image of the knowledge status for the user in each point in time.

52. (New) A method according to claim 27, wherein said system data base (10) stores information about user profiles, i. e. individual information such as statistical information, one such information being current type of learning state, or knowledge status, for each Q/A in relation to respective user, said learning states comprising the types: "not learned", "test required", "repetition required", "estimated as knowledge", "knowledge", and "knowledge not further checked", that said learning tool 11 is connected to, or comprises, a test and repetition tool (19) for optimised long term repetition, that a point of time when a Q/A is marked as "knowledge" for a particular user is stored within said test and repetition tool 19, that the time $T_{next\ test}$ to which the user has to answer this question again is controlled by said test and repetition tool (19), that if no repetition or test is made to prolong the time $T_{next\ test}$, then the point in time $T_{next\ test}$ expires and the state of the Q/A is changed from "knowledge" to "test required", that if no test is done by the user the virtual dynamic image of the user's acquired knowledge in the system deteriorates over time until all Q/A marked as "knowledge" changes state to "test required", that at a point in time when test of a Q/A is performed by the user through the test and repetition tool (19) the Q/A question is posed to the user, that if the answer to a question is wrong, then this Q/A changes state to "repetition required", that if the Q/A is correctly answered, then the state of the Q/A changes to "knowledge" and the time period $T_{next\ test}$ is extended by a factor higher than one, say a factor two (2), that if time has passed between the $T_{next\ test}$ expired and the user started the test for the Q/A, this time is added to the $T_{next\ test}$ before the extension factor is applied, and that when the time period $T_{next\ test}$ is longer than a predetermined time period, this Q/A is marked as "knowledge not further checked".

53. (New) A method according to claim 28, wherein when a Q/A has the state "repetition required" then repetition is performed using a short term learning cycle, and that when repetition has been duly performed using said short term learning cycle, the time period $T_{next\ test}$ is extended by a factor lower than one, say a factor zero point eight (0.8).

54. (New) A method according to claim 27, wherein filter means (18) presents information units, such as Q/A:s in an order optimised for the specific user's needs.

55. (New) A method according to claim 27, wherein diagnosis means (20) estimates the knowledge of the user within a subject.

56. (New) A method according to claim 27, wherein tool (21) for extracting information units from non-preprepared information creates Q/A:s from a non-preprepared digital text.

57. (New) A method according to claim 27, wherein at least one proactive dictionary (22) is connected to the system (1) or provided in the apparatus (2), said dictionary (22) presenting words considered by the system (1) to be unknown for the user.

58. (New) A method according to claim 33, wherein said dictionary (22) checks a text, either stored in the system or introduced to the system from an external source (e.g. Internet), to a user's profile, to look up data not known by the user, and presents translations or other types of Q/A:s simultaneously.

59. (New) A method according to claim 34, wherein said dictionary (22) is connected to a tool (25) for extraction of teaching or learning material from texts and preferably checked to a user's profile for acceptable texts or fragments of texts, based on stated interest and level of knowledge.

60. (New) A method according to claim 34, wherein at least one external dictionary (24) is connected to the system (1), and that said at least one external dictionary cooperates with the system.

61. (New) A method according to claim 27, wherein the administration means (7) provides a user to control the system (1).

62. (New) A method for individual learning in a learning system (1), wherein said learning system (1) comprises:

- an apparatus (2) for controlling the learning system (1),
- at least one communication network (3),
- at least one user terminal (4),
- at least one content data base (5) provided with information units, preferably questions and answers (Q/A),

said content data base (5) being connected to said apparatus (2), wherein said apparatus (2) further comprises at least one system data base (10) for storing user specific data, means for identification and/or verification of a user, administration means providing said user to control the system (1), and means (8) for registration of transactions a user performs, wherein said apparatus (2) is connected to at least one proactive dictionary (22), said dictionary (22) presenting words considered by the system (1) to be unknown for the user.

63. (New) A method according to claim 38, wherein said dictionary (22) checks a text, either stored in the system or introduced to the system from an external source (e.g. Internet), to a user's profile, to look up data not known by the user, and presents translations or other types of Q/A:s simultaneously.

64. (New) A method according to claim 39, wherein said dictionary (22) is connected to a tool (25) for extraction of teaching or learning material from texts and preferably checked to a user's profile for acceptable texts or fragments of texts, based on stated interest and level of knowledge.

65. (New) A method according to claim 39, wherein at least one external dictionary (24) is connected to the system (1), and that said at least one external dictionary cooperates with the system.

66. (New) A method according to claim 38, wherein tool (21) for extracting information units from non-preprepared information creates Q/A:s from a non-preprepared digital text.

67. (New) A method according to claim 38, wherein a learning tool (11) comprising an interface (12) for presenting data to the user provides selective training according to the user's knowledge and presents a dynamic image of the knowledge status for the user in each point in time.

68. (New) A method according to claim 43, wherein said system data base (10) stores information about user profiles, i. e. individual information such as statistical information, one such information being current type of learning state, or knowledge status, for each Q/A in relation to respective user, said learning states comprising the types: "not learned", "test required", "repetition required", "estimated as knowledge", "knowledge", and "knowledge not further checked", that said learning tool 11 is connected to, or comprises, a test and repetition tool (19) for optimised long term repetition, that a point of time when a Q/A is marked as "knowledge" for a particular user is stored within said test and repetition tool 19, that the time $T_{next\ test}$ to which the user has to answer this question again is controlled by said test and repetition tool (19), that if no repetition or test is made to prolong the time $T_{next\ test}$, then the point in time $T_{next\ test}$ expires and the state of the Q/A is changed from "knowledge" to "test required", that if no test is done by the user the virtual dynamic image of the user's acquired knowledge in the system deteriorates over time until all Q/A marked as "knowledge" changes state to "test required", that at a point in time when test of a Q/A is performed by the user through the test and repetition

tool (19) the Q/A question is posed to the user, that if the answer to a question is wrong, then this Q/A changes state to "repetition required", that if the Q/A is correctly answered, then the state of the Q/A changes to "knowledge" and the time period $T_{\text{next test}}$ is extended by a factor higher than one, say a factor two (2), that if time has passed between the $T_{\text{next test}}$ expired and the user started the test for the Q/A, this time is added to the $T_{\text{next test}}$ before the extension factor is applied, and that when the time period $T_{\text{next test}}$ is longer than a predetermined time period, this Q/A is marked as "knowledge not further checked".

69. (New) A method according to claim 44, wherein when a Q/A has the state "repetition required" then repetition is performed using a short term learning cycle, and that when repetition has been duly performed using said short term learning cycle, the time period $T_{\text{next test}}$ is extended by a factor lower than one, say a factor zero point eight (0.8).

70. (New) A method according to claim 38, wherein filter means (18) presents information units, such as Q/A:s in an order optimised for the specific user's needs.

71. (New) A method according to claim 38, wherein diagnosis means (20) estimates the knowledge of the user within a subject.

72. (New) A method according to claim 38, wherein the administration means (7) provides a user to control the system (1).

73. (New) A Computer program product stored on a computer useable medium, comprising in a computer readable code means to make the computer execute the method according claim 27.